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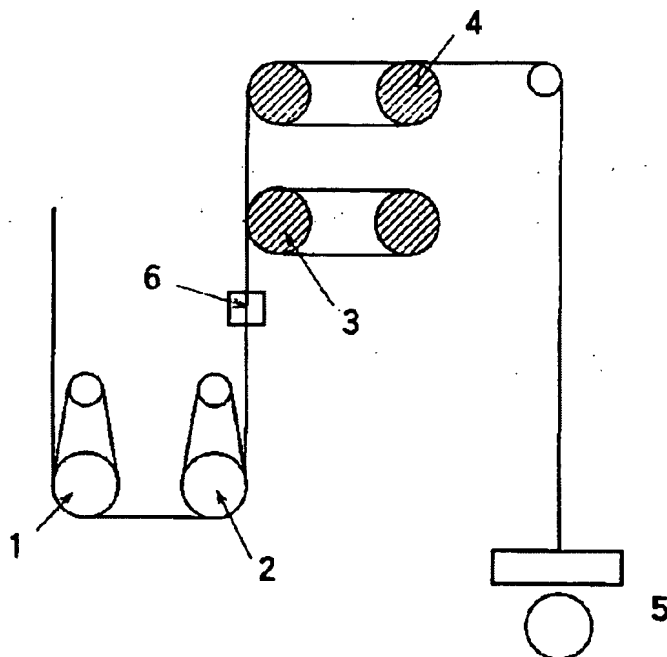
APPLICATION DATE : 14-12-99
APPLICATION NUMBER : 11354628

APPLICANT : UNITICA FIBERS LTD;

INVENTOR : NAKAMURA TOMONOBU;

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TITLE : POLYESTER CONJUGATE FIBER



ABSTRACT : PROBLEM TO BE SOLVED: To provide a polyester conjugate fiber producible in high spinnability and drawability using reclaimed PET from PET-bottles or the like, having high mechanical strengths and therefore suitable for use in the form of industrial material or fishery material.

SOLUTION: This conjugate fiber ≥ 6.2 cN/dtex in braking strength is composed of a core layer and a sheath layer in the weight ratio of (20:80) to (80:20); wherein the sheath layer consists of a polyethylene terephthalate resin 0.79-1.3 in intrinsic viscosity $[\eta]$ and the core layer consists of a reclaimed polyethylene terephthalate resin 0.55-1.16 in intrinsic viscosity $[\eta]$.

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